## (19) World Intellectual Property Organization

International Bureau





## (43) International Publication Date 20 October 2005 (20.10.2005)

(51) International Patent Classification': // (A01N 43/50, 43:56, 43:10, 37:22)

A01N 43/50

(21) International Application Number:

PCT/EP2005/003302

(22) International Filing Date: 30 March 2005 (30.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/558.131

1 April 2004 (01.04.2004)

(71) Applicant (for all designated States except US): BASF AKTIENGESELLSCHAFT [DE/DE]; 67056 Ludwigshafen (DE).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): SIEVERNICH, Bernd [DE/DE]; Bertolt-Brecht-Str. 18a, 67454 Hassloch (DE). BRIX, Horst, Dieter [DE/DE]; Mozartstr.88 N, 76829 Landau (DE). MALEFYT, Tim [US/US]; 5 Cherry Canyon Drive, Stroudsburg, PA 18360 (US).
- (74) Common Representative: BASF AKTIENGE-SELLSCHAFT; 67056 Ludwigshafen (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(10) International Publication Number WO 2005/096814 A3

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 27 April 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYNERGISTICALLY ACTING HERBICIDAL MIXTURES

(57) Abstract: A synergistic herbicidal mixture comprising A) a compound selected from the group consisting of imidazolinones, sulfonylureas and sulfonamides, including their respective isomers as well as their respective environmentally compatible salts or esters or amides or other derivatives; and B) at least one herbicidal compound of the group of chloro acetamides, oxyacetamides and tetrazolinones as well as quinmerac including their respective isomers as well as their respective environmentally compatible salts or esters or amides or other derivatives and, if desired, C) at least one herbicidal compound selected from the group consisting of clomazone, atrazin, dichlormid, benoxacor, LAB-145138, MG-191, MON-13900, cyometrinil, oxabetrinil, fluxofenim, flurazole, naphtalicacidanhydride, fenchlorim, fenchlorazol, mefenpyr, cloquintocet (including its hydrate(s)), 1-ethyl-4-hydroxy-3-(1H-tetrazol-5-yl)-1H-quinolin-2-one, 4-carboxymethyl-chroman-4-carboxylic acid, N-(2-methoxy-benzoyl)-4-(3-methyl-ureido)-benzenesulfonamide, (3-oxo-isothiochroman-4-ylidenemethoxy)-acetic acid methyl ester including their respective isomers as well as their respective environmentally compatible salts or esters or amides or other derivatives.

WO 2005/096814